

IN THE CLAIMS:

The following listing includes pending claims 1 and 3-10.

1. (Previously Presented) A pressure sensor comprising:

a base;

a pressure-sensitive section which receives pressure and is mounted on said base;

a port through which gas to be measured is injected into said pressure-sensitive section;

and a sensor package which encloses said pressure sensitive section and forms said port; and

a lead which is connected to said pressure-sensitive section and extracts a pressure detection signal,

wherein said pressure-sensitive section and said sensor package are affixed to said base by a fluoric elastomer.

2. (Canceled)

3. (Previously Presented) The pressure sensor according to claim 1, wherein said lead connects said terminal of said pressure-sensitive section to a wire which is provided on said base; and

said pressure-sensitive section and said lead are covered by a resin.

4. (Previously Presented) The pressure sensor as described in Claim 3, wherein said resin is a fluoric gel.

5. (Previously Presented). The pressure sensor as described in Claim 4, wherein said fluoric elastomer which affixes said pressure-sensitive section and said base is harder after solidification than said fluoric gel.

6. (Previously Presented). The pressure sensor as described in Claim 4, wherein said fluoric elastomer which affixes said sensor package and said base is harder after solidification than said fluoric gel.

7. (Previously Presented) The pressure sensor as described in Claim 5, wherein said fluoric elastomer which affixes said sensor package and said base is harder after solidification than said fluoric gel.

8. (Previously Presented) The pressure sensor as described in one of Claims 1 to 7, which is used in measuring an aspired air of an engine.

9. (Previously Presented) The pressure sensor as described in Claim 8, which is provided in an aspired air manifold of an engine.

10. (Previously Presented) A pressure sensor according to claim 1, wherein portions of said pressure-sensitive section and of said sensor package affixed to said base are exposed to the gas to be measured.